TRANSDUCER INDEX

1. Will the index be used primarily by:

   a. A design engineer?

   b. A technician?

   b. A physicist?

   d. Other?

2. How much technical nomenclature may we assume the user will understand? May we go into complete technical detail?

3. We are assuming the broad definition of a transducer to mean the conversion of energy input of a specific form (not electrical) into electrical output energy. Does this cover the field in your estimation? Do you wish to restrict it more specifically?

4. The determination of a figure of merit for a transducer is open for discussion. Do you have definite requirements along this line? We will outline our ideas and would like to have your comments.

5. We are assuming the electrical energy (output) is to be telemetered. Is this assumption correct?

6. To what detail should we go in the description of equipment following the transducer? By this, we mean do you wish us to indicate the particular circuitry necessary (for instance, bridge circuit, VT amplifiers, etc.)? This can become quite complicated as one type of transducer may be applied into circuits in many different ways to determine entirely different parameters, depending on circuitry following the transducer. Do you think it would be helpful?

7. Do you think the index should carry as its primary objective separation according to "use" in its field of application? Or do you prefer the primary index objective should be "type"? Each can be divided into various categories.

   If indexed according to "type" of transducer to what detail should it be described as to its "use?"

   a. Just a word?
   b. Reference to complete circuitry?
   c. An overall system?
   d. Other?

8. Are you more interested in a theoretical study of the different methods of transduction or the commercially available transducers?

9. To what degree is miniaturzation to be stressed?

10. If telemetering is the objective of these transducers is there any particular type of system considered more desirable?

11. Are there any particular types of ambient susceptibilities more important than others? (Shock resistant, temperature resistant, etc.)

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